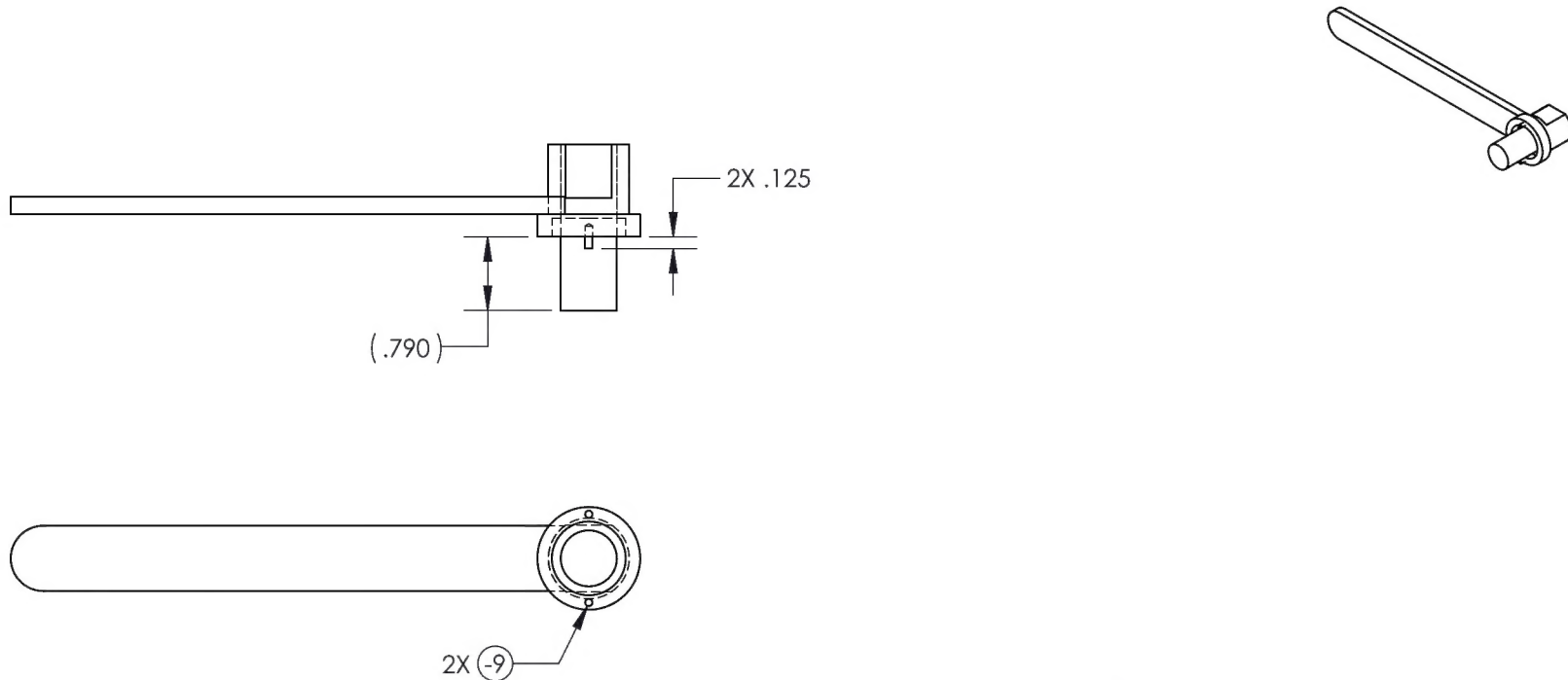


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0214	ADDED NOTE 1 SHEET 1. -1 CH'D WELD CALLOUT WAS FILLET WELD TOP & BOTTOM IS FILLET WELD TOP AND BEVEL WELD BOTTOM. CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC ASTM B633 TYPE 1 SC2. CH'D DWG. TO SHEET METAL TOLERANCE. -3 & -5 CH'D MATERIAL WAS 4140 Q&T IS 4140/4142. ADDED HEAT TREAT RC 28-34. -3 CH'D DIM WAS Ø.5995/.5988 IS Ø.5995/.5988 (P.F. -9) WAS 2X Ø.07875/.07850 $\nabla$ .115 IS 2X Ø.0786/.0782 $\nabla$ .12 (P.F. -9). WAS $\perp$ Ø.790 $\nabla$ .200 IS $\perp$ Ø.79 $\nabla$ .20. -5 DELETED DIM .09 X 45°, 5.93, CH'D DIM WAS (.1875) IS .19, WAS 6.18 IS (6.18), ADDED DIM 6.18, 5.75. -7 CH'D DIM WAS Ø.6004/.6000 IS Ø.6004/.6000 (P.F. -3).	11/7/2016	RJC	SM



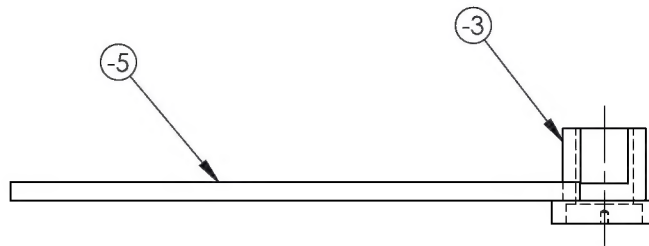
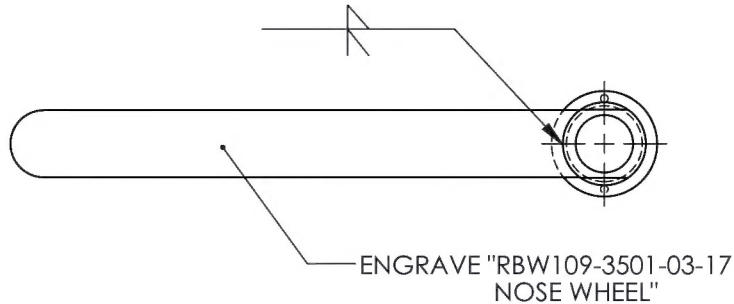
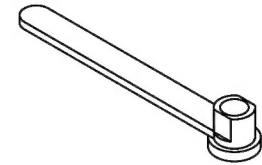
NOTE:  
1. REF. AGUSTA T/N 109-3501-03-17.  
2. USED IN KIT RBW109-3501-03-1.

<b>DART AEROSPACE</b>																	
TITLE <b>WRENCH ASSY</b>																	
DWG NO. <b>RBW109-3501-03-17</b>	REV <b>2</b>																
<table border="1"> <tr> <td>MAT'L HEAT TREAT FINISH</td> <td>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°</td> </tr> <tr> <td>SPEC</td> <td>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</td> </tr> <tr> <td>DRAWN BY: GILBERT</td> <td>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</td> </tr> <tr> <td>CHECKED: DUERFELDT</td> <td>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> <td>USED ON MODEL</td> </tr> <tr> <td>QA APPR: LINDSAY</td> <td>AW109</td> </tr> <tr> <td>APPROVED: MACKOVJAK</td> <td></td> </tr> <tr> <td>SCALE 1:2</td> <td>DATE 4/5/2011</td> </tr> </table>		MAT'L HEAT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°	SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	DRAWN BY: GILBERT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	OPPS APPR: ANDERSON	USED ON MODEL	QA APPR: LINDSAY	AW109	APPROVED: MACKOVJAK		SCALE 1:2	DATE 4/5/2011
MAT'L HEAT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°																
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R																
DRAWN BY: GILBERT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING																
CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009																
OPPS APPR: ANDERSON	USED ON MODEL																
QA APPR: LINDSAY	AW109																
APPROVED: MACKOVJAK																	
SCALE 1:2	DATE 4/5/2011																

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	WELDMENT			2
	1		-3		BASE	4140/4142		3
	1		-5		HANDLE	4140/4142		4
			-7	1	PIN	6061		5
		B/O	-9	2	DOWEL PIN	STEEL	Ø2mm X 6mm (MCMASTER-CARR #91595A020)	1
	ASSY -1							

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0214	-1 CH'D WELD CALLOUT WAS FILLET WELD TOP & BOTTOM IS FILLET WELD TOP AND BEVEL WELD BOTTOM. CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC ASTM B633 TYPE 1 SC2, CH'D DWG. TO SHEET METAL TOLERANCE.	11/7/2016	RJC	SM

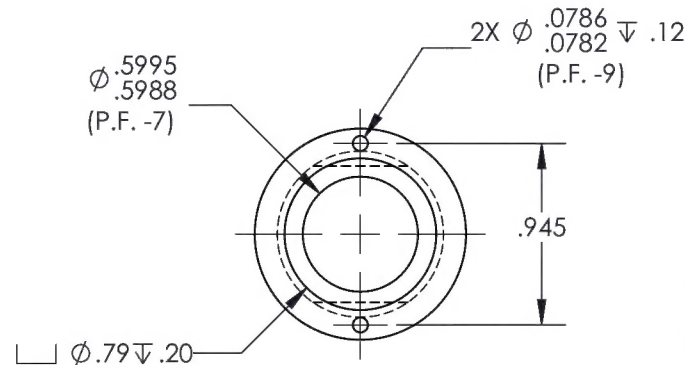
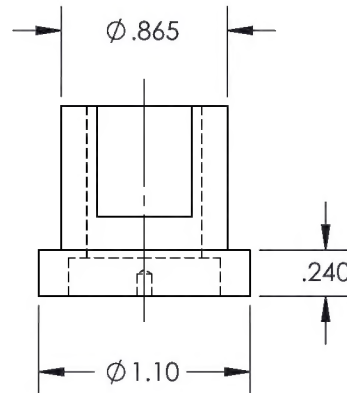
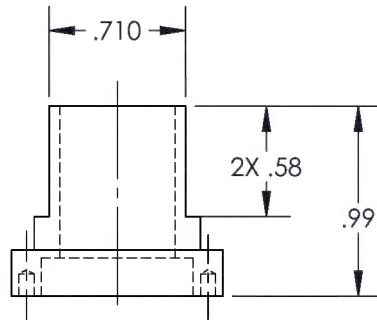
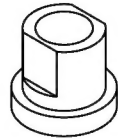


(-1)  
WELDMENT

<b>DART AEROSPACE</b>	
TITLE <b>WRENCH ASSY</b>	
DWG NO. <b>RBW109-3501-03-17-1</b>	REV <b>2</b>
MAT'L <b>ZINC PLATE</b>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT <b>ZINC PLATE</b>	.XXX ± .010 FRACTIONS ± 1/8
FINISH <b>ZINC PLATE</b>	.XX ± .03 ANGLES ± 1°
SPEC <b>ASTM B633 TYPE 1 SC 2</b>	.X ± .1 SURFACES = 125°
DRAWN BY: <b>GILBERT</b>	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: <b>DUERFELDT</b>	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: <b>ANDERSON</b>	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: <b>LINDSAY</b>	USED ON MODEL
APPROVED: <b>MACKOVJAK</b>	<b>AW109</b>
SCALE <b>1:2</b>	DATE <b>4/5/2011</b>
SHEET 2 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0214	-3 CH'D DIM WAS $\varnothing .5995/.5988$ IS $\varnothing .5995/.5988$ (P.F. -9) WAS 2X $\varnothing .07875/.07850 \pm .115$ IS 2X $\varnothing .0786/.0782 \pm .12$ (P.F. -9), WAS $\sqcup \varnothing .790 \pm .200$ IS $\sqcup \varnothing .79 \pm .20$ , CH'D MATERIAL WAS 4140 Q&T IS 4140/4142, ADDED HEAT TREAT RC 28-34.	11/7/2016	RJC	SM



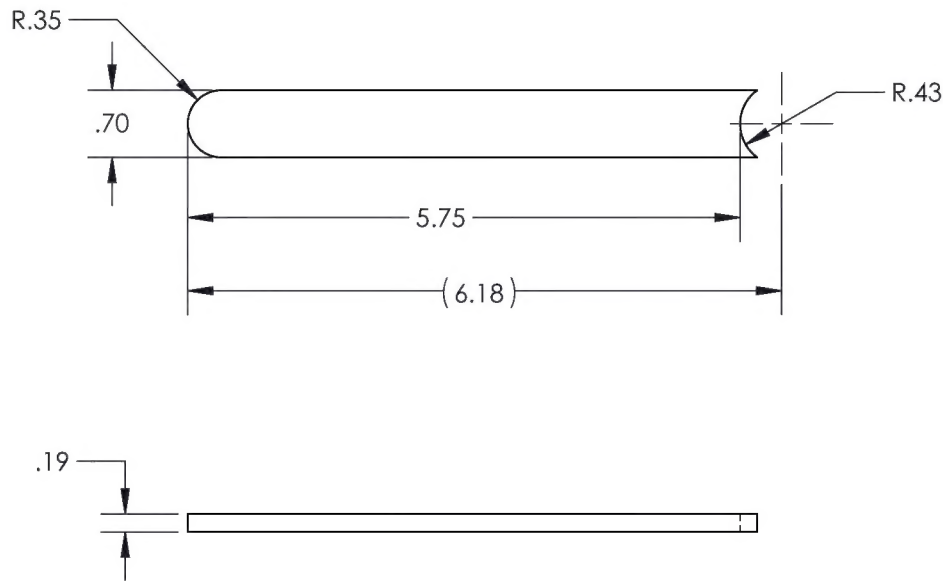
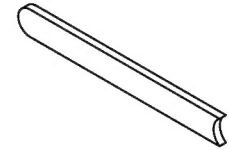
(3)

BASE

<b>DART AEROSPACE</b>	
TITLE <b>WRENCH ASSY</b>	
DWG NO. <b>RBW109-3501-03-17-3</b>	REV <b>2</b>
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-34	DIMENSIONS ARE IN INCHES
FINISH SEE -1 WELDMENT	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
SPEC	.XX $\pm$ .01 ANGLES $\pm$ 5°
DRAWN BY: GILBERT	.X $\pm$ .1 SURFACES = 125° ✓
CHECKED: DUERFELDT	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: MACKOVJAK	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/5/2011	USED ON MODEL
	AW109
	SHEET 3 OF 5

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0214	-5 DELETED DIM .09 X 45°, 5.93, CH'D DIM WAS (.1875) IS .19, WAS 6.18 IS (6.18), ADDED DIM 6.18, 5.75, CH'D MATERIAL WAS 4140 Q&T IS 4140/4142 ADDED HEAT TREAT RC 28-34.	11/7/2016	RJC	SM



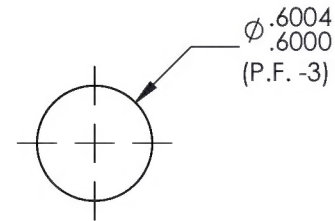
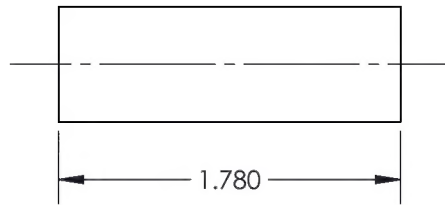
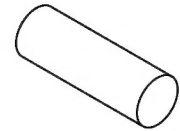
(-5)

HANDLE

<b>DART AEROSPACE</b>	
TITLE <b>WRENCH ASSY</b>	
DWG NO. <b>RBW109-3501-03-17-5</b>	REV <b>2</b>
MAT'L 4140/4142 HEAT TREAT RC 28-34 FINISH SEE -1 WELDMENT SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°
DRAWN BY: GILBERT CHECKED: DUERFELDT OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: MACKOVJAK	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:2	DATE 4/5/2011
USED ON MODEL AW109 SHEET 4 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0214	-7 CH'D DIM WAS Ø.6004/.6000 IS Ø.6004/.6000 (P.F. -3).	11/7/2016	RJC	SM



(-7)

PIN

<b>DART AEROSPACE</b>	
TITLE <b>WRENCH ASSY</b>	
DWG NO. <b>RBW109-3501-03-17-7</b>	REV <b>2</b>
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX ± .005 FRACTIONS ± 1/8
SPEC MIL-A-8625F, TYPE II, CLASS I	.XX ± .01 ANGLES ± .5°
DRAWN BY: GILBERT	.X ± .1 SURFACES = 125°
CHECKED: DUERFELDT	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
APPROVED: MACKOVJAK	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	USED ON MODEL
DATE 4/5/2011	AW109
SHEET 5 OF 5	